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TITLE: Continuous prodn. of granular washing compsn. - in fluidised bed, with controlled gas velocity

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PATENT-FAMILY:

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ABSTRACTED-PUB-NO: DD 140987A

BASIC-ABSTRACT: In the continuous prodn. of granular washing and cleaning compsns. in a fluidised bed, the gas velocity in the effective region of the inhomogeneous bed is kept at between the fluidisation velocity of the largest particles and 10 times the discharge velocity of the medium-sized particles.

Pref. the loadings (per hectometer square) to the fluidised bed are 800-2000 kg of gas; 300-1000 kg of solid and 60-200 kg of liq., and the fluidising gas is at 10-100 (25-35) degrees C. Esp. liq. wash-active components (esp. nonionics and/or acid surfactant precursors) are sprayed onto powdered buildings, esp. Na5P3O10 with >90% phase-(II) content, bulk density >700 (900-1100) g/l and >70% of particle size <0.2 mm.

The method has reduced energy requirements; gives stable granules ensuring final prods. of high mechanical strength and controllable particle size and bulk density. No special quality requirements are needed for the builder.

TITLE-TERMS:

CONTINUOUS PRODUCE GRANULE WASHING COMPOSITION FLUIDISE BED